MARKED-UP COPY OF AMENDED SPECIFICAITON AND CLAIMS

IN THE SPECIFICATION:

Amend the specification as follows.

Delete the paragraph spanning page 5, lines 29-33 and insert the following therefor:

--The invention furthermore relates to an ATP/ADP translocator gene for use in one of the above-described plants with an Arabidopsis thaliana [nucleotide] amino acid sequence (EMBL Accession No. Z49227) encoding [the amino acid] by the nucleotide sequence shown in Fig. 1 (SEQ ID NO:1).--

IN THE CLAIMS:

Amend the claims as follows:

6. (Twice Amended) ATP/ADP translocator gene for use in a plant according to Claim 1 with an Arabidopsis thaliana [nucleotide sequence] amino acid sequence (EMBL Accession No. Z49227) [encoding the amino acid] encoded by the nucleotide sequence shown in Fig. 1 (SEQ ID NO:1).

Fig. 1: Arabidopsis thaliana cDNA corresponding to the coding region of the chloroplast ATP/ADP translocator 1 (EMBL Accession Number Z49227) (SEQ ID NO:1)

atggaagctgtgattcaaaccagagggcttctctctttacccaccaaacccatcggagtgagaagcca
acttcagccttcccatggcttaaagcagagacttttcgccgcgaagccaagaaatctacatgggtgtct
ctatcctttaacgggcacaagaaatttcaaacctttgagccaaccctgcatgggatttcgatttcccaca
aagagagaagcaccgagttcatatgcaaggcggaggcgcggctgctggcgacggagctgtcttcg
gcgaagcgattccgcagctgttgtagcctcgcggaagattttcggtgtggaggttgcaaccttgaaaaa
gattatccctttaggattgatgttcttttgtattcttttcaattacacaattctgagggatacaaaggatgtcttg
gtggtgacggcgaaaggaagttctgctgagattatacctttcttgaagacttgggtgaatcttcctatggc
cattgggtttatgctcctctacactaaactctccaatgttctctccaagaaggctctgttttacactgttattgtc
cctttcatcatctactttgggggctttggtttcgtcatgtaccctctcagcaactatattcacccggaagctct
cgcagataagctccttacaaccctcggcccaagattcatgggtcctattgcaatattgcggatttggagtt
tctgtttgttttatgttatggctgagctttggggtagtgtggtggtctcagttctcttctggggctttgctaatcag
atcacaactgtggatgaagccaagaaattctatcctttgttcggcattggagccaatgttgcactgattttc
tcaggaagaaccgtgaaatacttctctaacttgagaaagaatcttggtcctggagttgacggcagtttcg
ttgaaagccatgatgagcattgtggtgggaatgggactcgcatttgtctctctattggtgggtcgaataga
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cttgaagttcttggtatcatcaccatacattagagatcttgctactttagtggtggcatacggtattagtatca
atcttgtggaagtcacatggaaatcaaagcttaaagctcagttccctagcccgaatgagtactcagcatt
tatgggagcattctcaacctgcacgggtgttgcaacattcacaatgatgcttctcagccaatacgtattca
ataagtatggttggggagtagctgcaaagatcaccccaactgttctgctattgactggtgttgcgttcttct
ctctaatattgtttggcggcccattcgcaccacttgttgccaagcttggtatgacaccgctacttgcagctgt
gtatgtcggtgcccttcagaatatcttcagcaagagtgccaagtacagcttgttcgacccttgcaaagaa
atggcctatatcccattggatgaggacaccaaggttaaaggcaaagctgcgattgacgtggtctgcaa
cccattaggaaaatcaggggagctttaatacagcagttcatgatcttatcctttggatcactagcgaatt
caacgccgtatctaggaatgatcttgttggttattgtcactgcgtggttagctgcagctaagtcgctggag
ggacagttcaacagcttgcgtctgaagaagagcttgagaaggaaatggagagagcttcatcggtga

Fig. 2: Solanum tuberosum cDNA corresponding to the coding region of the chloroplast ATP/ADP translocator 1 (EMBL Accession Number Y10821) (SEQ ID NO:2)

atggaaggtgttttacaaacaagagggcttctttctttgccttctaaacccaaaatcaaggctttttacccat
tgcctcaaggggtctaaggaacagattcaattctttaagtagtttaaagcctaatcctcttaatggggttt
ctttatcttcaaatgggtttcaaaaagttcaaggctttgacacaaagcctcagttgtttggccaaaagaag
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gaaaaggagcaacctaagtttatggggattgaacttgtgacccttaagaaaattataccacttggggcg
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tccagtgctgagattatccctttcttgaaaacttgggtgaatttgcctatggctattggattcatgcttttgtac
acaaagttggctaatgtgttgtcaaaggaggctctttttatactgttatacttccttttattgcattctttggggc
gtttggttttgttttgtatcctcttagcaattactttcaccctacagcttttgctgataagcttctcaataccttgg
tccaagatttcttggaccaattgctattctgaggatctggagtttctgcttgttctatgtcatggctgagctttg
gggaagtgtggtggtttcagtactcttttggggatttgctaatcagatcacgactgtcgatgaggctaaga
gattctatcctttgtttggacttggagcgaatgttgctcttattttctctggtcgcacagtgaagtacttttctag
cttgagaagctctttaggtcctggagttgatggttgggctatctccctgaaaggaatgatgagtattgttgt
gatgatgggtggggcaatctgtttcttttactggtgggtgaatagaaatgttgctctcccaactcgtagcaa
gaagaagaaggtaaaacctaacatgaccacaatggagagcttgaagttcttggtctcttcaaaatatat
cagggatcttgccacattggttgtagcatatggcattagtatcaaccttgttgaagttacatggaagtcaa
agctcaaagctcagttcccaagccccaatgaatactcctcattcatgggtgacttctcaactgctactgg
aatagcaactttcacaatgatgttgttaagtcaatggattttcgacaagtatgggtggggagcagcagcc
aagataacacctacagtcttgctccttaccggagttggtttcttctccctgcttttgtttggggcacctctagc
acctactcttgcgaagtttggaatgactcctcttctagcagctgtctatgtgggtgcaatgcagaacattttc
agtaagagtgcaaagtatagtttgtttgacccctgcaaagaaatggcctacattcctttggatgaggaca
ccaaggttaaagggaaggcagcaatcgatgttgtctgcaatccactgggaaagtctggaggagctttg
atacaacagttcatgattttgacttttggttcacttgccagctcgacaccctaccttggcggtgtgctcttagt
aattgttcttgcatggttgggagcagccaagtctttggatggacagttcactcaattacgccaagaagaa
gatcttgagaaggaaatggagagagcatcgttgaagatccctgtcgtgtctcaaaatgaaaatggaa
atggtcctctctcaagtgagtcatcactaaatcccgctggaggtgactctaccaacgcttcatcggaacc
ctcctccccaaggagcctgtaa

Fig. 1: Arabidopsis thaliana cDNA corresponding to the coding region of the chloroplast ATP/ADP translocator 1 (EMBL Accession Number Z49227) (SEQ ID NO:1)

atggaagctgtgattcaaaccagagggcttctctctttacccaccaaacccatcggagtgagaagcca
acttcagccttcccatggcttaaagcagagacttttcgccgcgaagccaagaaatctacatgggtgtct
ctatcctttaacgggcacaagaaatttcaaacctttgagccaaccctgcatgggatttcgatttcccaca
aagagagaagcaccgagttcatatgcaaggcggaggcgcggctgctggcgacggagctgtcttcg
gcgaagcgattccgcagctgttgtagcctcgcggaagattttcggtgtggaggttgcaaccttgaaaaa
gattatccctttaggattgatgttcttttgtattcttttcaattacacaattctgagggatacaaaggatgtcttg
gtggtgacggcgaaaggaagttctgctgagattatacctttcttgaagacttgggtgaatcttcctatggc
cattgggtttatgctcctctacactaaactctccaatgttctctccaagaaggctctgttttacactgttattgtc
cctttcatcatctactttgggggctttggtttcgtcatgtaccctctcagcaactatattcacccggaagctct
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atcacaactgtggatgaagccaagaaattctatcctttgttcggcattggagccaatgttgcactgattttc
tcaggaagaaccgtgaaatacttctctaacttgagaaagaatcttggtcctggagttgacggcagtttcg
ttgaaagccatgatgagcattgtggtgggaatgggactcgcatttgtctctctattggtgggtcgaataga
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cccattaggaaaatcaggggagctttaatacagcagttcatgatcttatcctttggatcactagcgaatt
caacgccgtatctaggaatgatcttgttggttattgtcactgcgtggttagctgcagctaagtcgctggag
ggacagttcaacagcttgcgtctgaagaagagcttgagaaggaaatggagagagcttcatcggtga

Marked up Copy of Amended Figures

Fig. 2: Solanum tuberosum cDNA corresponding to the coding region of the chloroplast ATP/ADP translocator 1 (EMBL Accession Number Y10821) (SEQ ID NO:2)

atggaaggtgttttacaaacaagagggcttctttctttgccttctaaacccaaaatcaaggctttttacccat
tgcctcaaggggtctaaggaacagattcaattctttaagtagtttaaagcctaatcctcttaatggggttt
ctttatcttcaaatgggtttcaaaaagttcaaggctttgacacaaagcctcagttgtttggccaaaagaag
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cagggatcttgccacattggttgtagcatatggcattagtatcaaccttgttgaagttacatggaagtcaa
agctcaaagctcagttcccaagccccaatgaatactcctcattcatgggtgacttctcaactgctactgg
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ccaaggttaaagggaaggcagcaatcgatgttgtctgcaatccactgggaaagtctggaggagctttg
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gatcttgagaaggaaatggagagagcatcgttgaagatccctgtcgtgtctcaaaatgaaaatggaa
atggtcctctctcaagtgagtcatcactaaatcccgctggaggtgactctaccaacgcttcatcggaacc
ctcctccccaaggagcctgtaa